

*“PMA-209 is the leader in providing avionics systems solutions to meet warfighter safety, connectivity & interoperability needs”*



# PMA 209 Overview

## Assault ATRB

Joe McDevitt, PMA 209, 301 757 0906

July 29, 2003

# AGENDA

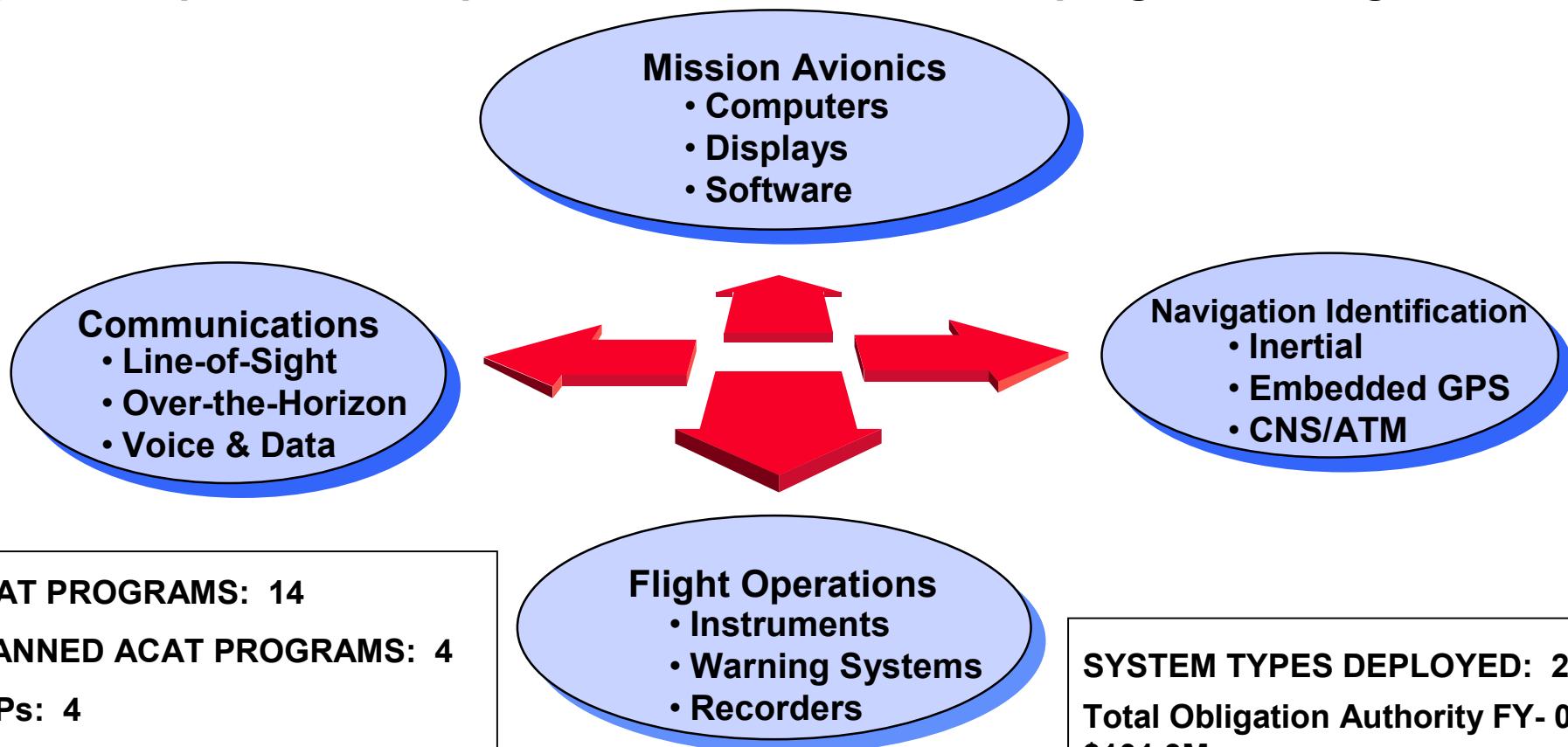


- **PMA 209 Overview**
- **Strategic Planning Efforts: the CAMP**
- **Science & Technology Programs: SBIR, CS ATRB**
- **Summary**

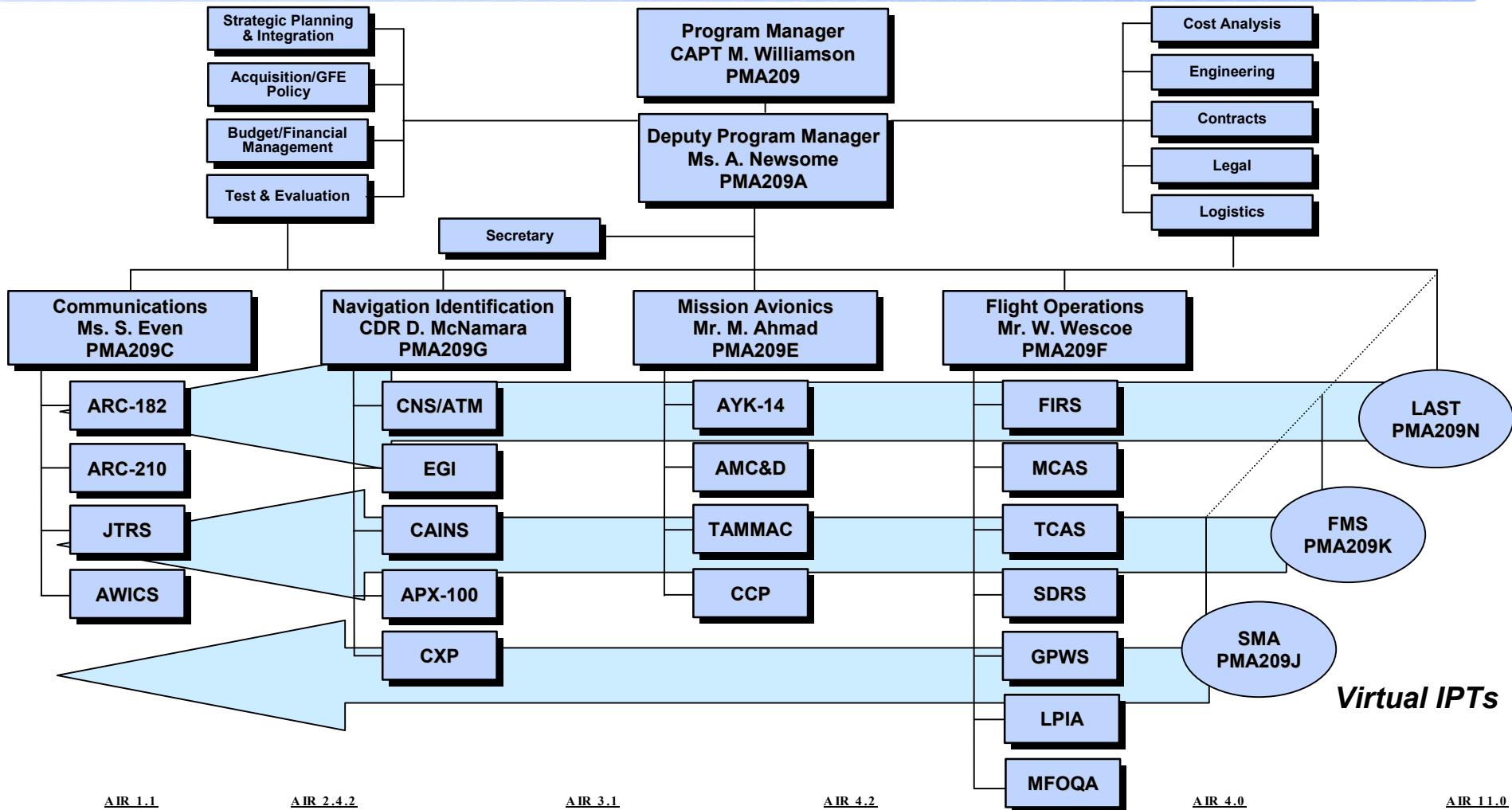
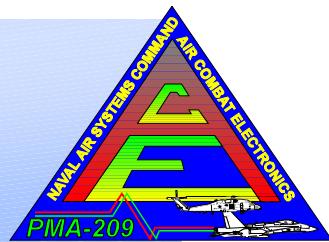
# PMA 209 SUMMARY



PMA 209 is the single central executive responsible for managing Air Combat Electronic Programs. Our primary mission is to provide fully developed, supportable, and reliable systems to the operating forces which will satisfy approved operational requirements and coordinated program management.



# PMA209 Air Combat Electronics



# ***Virtual IPTs***

**AIR 1.1**

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R. BORNE	D. SHANNO
S. CLOAK	H. STEINFE
J. FABRIZIO	T. WATERS
C. HOOVER	B. WESCOE
P. JACKSON	S. WHITLEY
B. MATTINGLY	D. WILCOX
R. MCINTIRE	
C. MENDEZ	

AIR 2.4.2  
M. BENARD  
BOSTJANICK  
CARMACK  
DAUGHERTY  
GAINY  
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NORRIS  
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AIR 3.1  
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J. KROWITZ J. STEVENSON  
AEC LEDBETTER E. TRIMMER  
B. MATTHEWS R. WHITEHEAD  
H. SCHAEFER  
D. SIFFORD  
ATC SP QFENTGEN

AIR 4.2

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J. FORD  
T. NEWBERRY  
W. PILAPIL  
T. ROSS

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M. KIMMEY	D. SANDT	
R. KIRKWOOD	J. SERRATORE	
R. MARD	C. SHAFFER	
KSEN R. MUIR	M. SMITH	
N W PARILLO	R. SUTTON	
M V. PHAN	V. SZUBA	
HAN D. RAINY	J. TILTON	
HAN R. SAITO	S. TRAN	

AIR 11.0  
T. CONDURSO

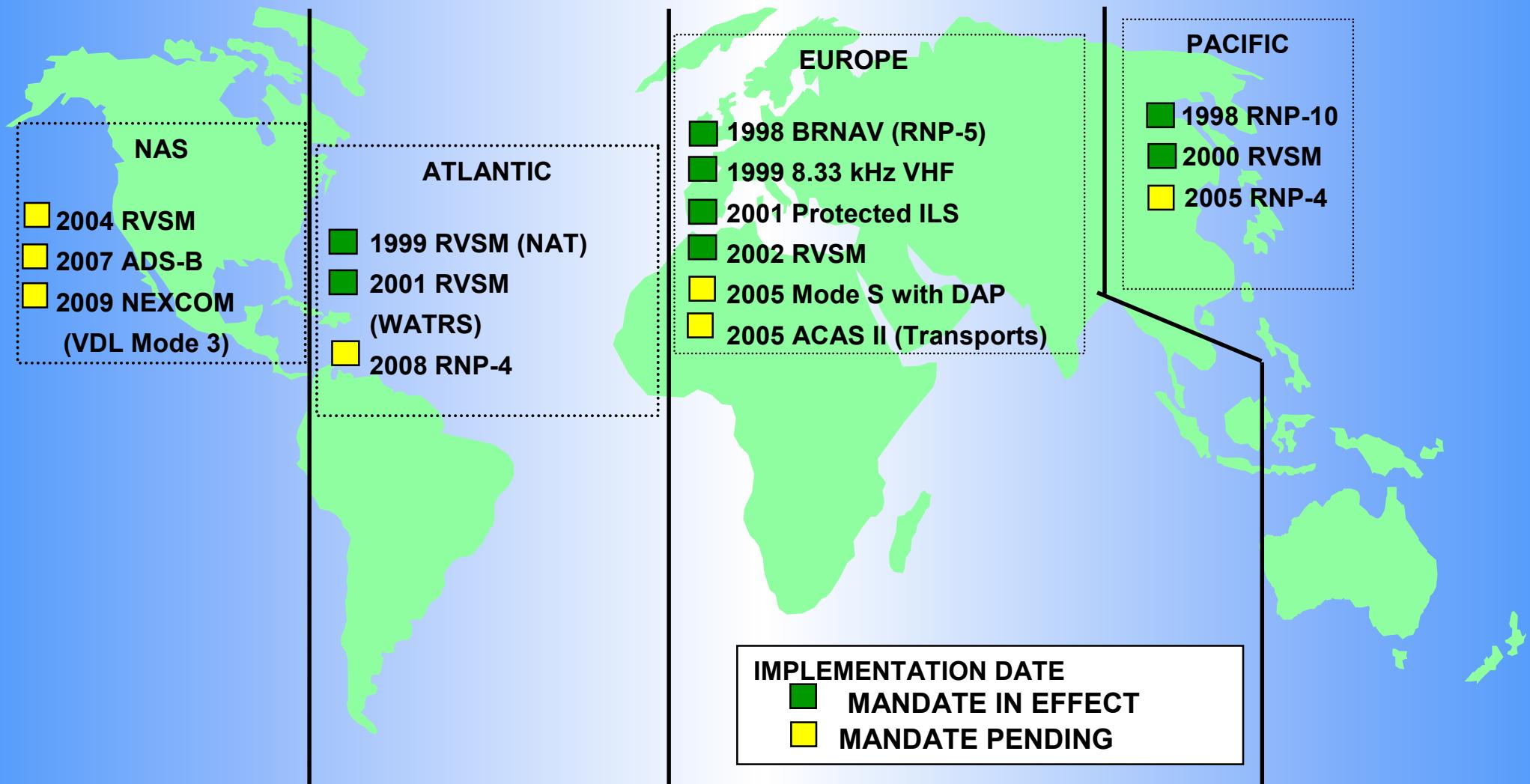


# ACAT AND AAP PROGRAM STATUS

CDR Green	II	AMC&D	18-Jul-02	G	G	G	G	APBA Update in process of being updated
Ms. Wilcox	III	TAMMAC	26-Apr-01	G	G	G	G	APBA / APSR / Ditscard / Temp in process of being updated
Mr. McIntire	III	ARC-210	28-Jan-03	G	G	G	G	
Mr. Fabrizio	III	EGI	1-Feb-97	G	G	G	G	
Mr. Bell	III	ARC-182	11-Jun-93	G	G	G	G	
Mr. Coombs	IVM	AYK-14	29-Jun-93	G	G	G	G	
Ms. Smith	IVM	CSFIR	21-Apr-00	G	Y	G	G	F/A-18 Aircraft Availability, APBA in revision
Ms. Frederiksen	IVT	LPIA	17-Jun-02	Y	Y	G	Y	FOT&E for C-2
Ms. Whitley	IVT	TAWS	N/A	G	G	G	G	
Ms. Barnhart Ms. Whitley	IVT	Fixed Wing GPWS	10-Aug-01	Y	Y	G	G	POM 04 zeroed Funding in FY05, PR05 issue. AP being updated for new products
Ms. Barnhart	IVT	Rotary Wing GPWS	25-Feb-00	G	G	Y	G	
VACANT	IVT	CXP	22-Feb-00	G	G	G	G	Milestone 3 update in process
Mr. Kirkwood	IVT	TCAS	30-Jan-01	G	G	G	G	
Mr. Fabrizio	IVT	CAINS	N/A	G	G	G	G	
Mr. Hoover	TBD	CNS/ATM	N/A	G	G	G	G	
Mr. Kirkwood	N/A	MCAS	N/A	G	G	G	G	
Mr. Cloak	TBD	AWICS		G	G	G	G	
Ms. Mattingly	TBD	JTRS		Y	G	G	Y	Unfunded Requirements
Mr. Fabrizio	AAP	APN-217		G	G	G	G	
Mr. Kingery	AAP	APX-100		G	G	G	G	
Ms. Smith	AAP	SDRS		G	G	G	G	
Mr. Fabrizio	LECP	NGS		G	G	G	G	
Mr. Fabrizio	N/A	R-AHRS		G	G	G	G	
Mr. Fabrizio	N/A	ARA-63		G	G	G	G	
CAPT Blake	N/A	LAST						



# CNS/ATM REQUIREMENTS



# Strategic Planning Team



- **Science & Technology efforts led by Mr. Rich Muir.**
- **CLIP, JTRS, AWICS efforts migrated to COMMS group.**
- **Mr. Owens leads CAMP 2004.**
- **Ms. Mendez leads AvCIP, and supports JSRC.**
- **Extensive ad-hoc support from DCS, MITRE, Other Level II Team Leaders, and the Contractor Support Team.**
  - *Assembled inputs from OPNAV Requirements / Resources sponsors, Mandates, etc., and forged the CAMP.*
  - *Supporting the Naval Aviation environment for Common Messaging.*
  - *Assisting PMW/A 101/159 in CLIP software and Technology.*
  - *Knitting together NAVAIR PMAs, SPAWAR, PMW/A 101/159, OPNAV, NAWC AD 4.5, etc.*

# Core Avionics Master Plan 2004



## SEA Power 21

SEA Strike  
SEA Shield  
SEA Basing  
FORCE Net

**CAMP 2004 Update:**  
*Mission Planning  
ATC & LS  
GPS NAV  
Networks & Links  
ChemBio*

Strike Master Plan



Capabilities & Schedule Coordination

Naval Aviation  
Core Avionics Master Plan



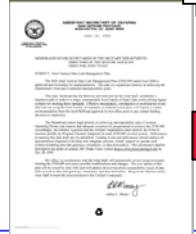
2001

Capabilities & Schedule Coordination

Helicopter Master Plan



Joint Tactical Data Link Management Plan



**CAMP 2001 Content:**  
*COMMS  
NAV  
Cooperative Surveillance  
Safety  
Mission Information*

NAV AIR

# S&T Team Overview



- Led by Mr. Rich Muir
- Pushes ACE Technology forefront:
  - *ATRB (Common Systems, Strike)*
  - *Small Business Innovative Research (Successes continue.)*
  - *BEAM & LINC , FCT (CSAFF) and ACTDs (ARACHNE)*
  - *Maintains ONR, DARPA, and AIR 4.5 interface for ACE*
  - *Understands FNC Process. Provides TTA with ONR*
- Works Technology Roadmaps with IPTs
- Provides PMA 209 Engineering & Platform POC for: *UAV, Helos, ChemBio, JPALS.*
- Provides CIO for PMA 209
- Obtains seed \$ for PMA 209 Reqs. Gaps.

# Summary



- PMA 209 provides integrated, supported, long-term solutions to Avionics requirements, using common hardware and spiral development.
- CAMP 2001 is being revised, with expected promulgation by N78 in May 04.
  - *N780G2 will control review & staffing at CNO.*
  - *Includes SEA Power 21, and CNO – led transformations.*
  - *Greater sense of ownership by PMAs & PMWs.*
- CAMP, coupled with an effective S&T effort, and industry communication, allows PMA209 Product Lines to meet emerging operational requirements.